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09/181,021

Examiner

Reexamination

Applicant(s)/Patent under

YOSHIOKA ET AL.

Art Unit

Angela A. Armstrong

2626

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** 

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|----------|----------|---------|-------|-----|----------|----------|-------------------|----------|----------|--|---|-------|----------|--------------|---|----------|----------|----------|----------|---|
| 1        |          | Date    |       |     |          |          |                   |          | _        | т —  |   | Cla   | aim<br>I | Date         |   |          |          |          |          |   |
| Final    | Original | 5/15/06 |       |     |          |          |                   |          |          |  |   | Final | Original | 5/15/06      |   |          |          |          |          |   |
|          | 1        | =       |       |     |          |          |                   |          |          |  |   |       | 51       | =            |   |          |          |          |          | Γ |
|          | 2        | =       |       |     |          |          |                   |          |          |  | 1 |       | 52       | Г            |   |          |          |          |          | Γ |
|          | 3        |         |       |     |          |          |                   |          |          |  |   |       | 53       |              |   |          |          | Г        |          | Γ |
|          | 4        | =       |       |     |          |          |                   |          |          |  |   |       | 54       |              |   |          |          |          |          | Γ |
|          | 5        | =       |       |     |          |          |                   |          |          |  |   |       | 55       |              |   |          |          |          |          | Γ |
|          | 6        | =       |       |     |          |          |                   |          |          |  |   |       | 56       |              |   |          |          |          |          | Γ |
|          | 7        | =       |       |     |          |          |                   |          |          |  |   |       | 57       |              |   |          |          |          |          |   |
|          | 8        | =       |       |     |          |          |                   |          |          |  |   |       | 58       |              |   |          |          |          |          | L |
|          | 9        | =       |       |     |          |          |                   |          |          |  |   |       | 59       |              |   |          |          |          |          | Γ |
|          | 10       | =       |       |     |          |          |                   |          |          |  |   |       | 60       |              |   |          |          |          |          |   |
|          | 11       | =       |       |     |          |          |                   |          |          |  |   |       | 61       |              |   |          |          |          |          |   |
|          | 12       | =       |       |     |          |          |                   |          |          |  |   |       | 62       |              |   |          |          |          |          |   |
|          | 13       |         |       |     |          |          |                   |          |          |  |   |       | 63       |              |   |          |          |          |          |   |
|          | 14       | =       |       |     |          |          |                   |          |          |  |   |       | 64       |              |   |          |          |          |          | Г |
|          | 15       | =       |       |     |          |          |                   |          |          |  |   |       | 65       |              |   |          |          |          |          |   |
|          | 16       | =       |       |     |          |          |                   |          |          |  |   |       | 66       |              |   |          |          |          |          |   |
|          | 17       | =       |       |     |          |          |                   |          |          |  |   |       | 67       |              |   |          |          |          |          |   |
|          | 18       | =       |       |     |          |          |                   |          |          |  |   |       | 68       |              |   |          |          |          |          |   |
|          | 19       |         |       |     |          |          |                   |          |          |  |   |       | 69       |              |   |          |          |          |          |   |
|          | 20       | =       |       |     |          |          |                   |          |          |  |   |       | 70       |              |   |          |          |          |          | L |
|          | 21       | =       |       |     |          |          |                   |          |          |  |   |       | 71       |              |   |          | L        | L        |          | L |
|          | 22       | =       |       |     |          |          |                   |          |          |  |   |       | 72       |              |   |          |          | L        |          | L |
|          | 23       | =       |       |     |          |          |                   |          |          |  |   |       | 73       |              |   |          |          |          |          |   |
|          | 24       | =       |       |     |          |          |                   |          |          |  |   |       | 74       |              |   |          |          |          |          | L |
|          | 25       | =       |       |     |          |          |                   |          |          |  |   |       | 75       |              |   |          |          | L        |          | L |
|          | 26       | =       |       |     |          |          |                   |          |          |  |   |       | 76       |              |   |          |          |          |          |   |
|          | 27       | =       |       |     |          |          |                   |          |          |  |   |       | 77       |              |   |          |          |          |          | L |
|          | 28       | =       |       |     |          |          |                   |          |          |  |   |       | 78       |              |   |          |          |          |          | L |
|          | 29       | =       |       |     |          |          |                   |          |          |  |   |       | 79       |              |   |          |          |          | _        | L |
|          | 30       | =       |       |     |          | L        |                   |          |          | L  |   |       | 80       | $oxed{oxed}$ |   | <u> </u> |          |          |          | L |
|          | 31       | =       |       |     |          |          | <u> </u>          |          |          |  |   |       | 81       | _            |   | L        |          |          |          | L |
|          | 32       | =       |       | . * | L        | L_       | L_                |          | L        |  |   |       | 82       |              |   |          |          |          | L        | L |
|          | 33       | =       |       |     | 匚        | L        | _                 | L        |          | $ldsymbol{ld}}}}}}$ |   |       | 83       |              |   |          |          |          | ١.       | L |
|          | 34       | =       |       |     |          |          | <u> </u>          |          |          | <u> </u>   |   |       | 84       |              |   |          |          | _        | L.       | L |
| $\sqcup$ | 35       | =       |       |     |          |          |                   |          |          |  |   |       | 85       |              |   | _        | ᆫ        | L        |          | L |
|          | 36       | =       |       |     |          | L        | <u> </u>          |          |          | L  |   |       | 86       |              |   |          |          |          | L.       | L |
|          | 37       | =       |       |     | L        |          | <u> </u>          |          |          | L  |   |       | 87       |              |   |          |          |          |          | L |
|          | 38       | =       |       |     |          |          | L                 |          |          | L  |   |       | 88       |              |   |          | L        |          | L        | L |
|          | 39       | =       |       |     |          |          | <u>_</u>          |          |          | _  |   |       | 89       |              |   |          | _        |          |          | L |
|          | 40       | =       |       |     | L        |          | L                 | L        |          |  |   |       | 90       | Ш            |   |          |          | L.       |          | L |
| $\Box$   | 41       | =       |       |     |          | L        |                   |          | L        | <u> </u>   |   |       | 91       |              |   |          |          | L        | L        | L |
|          | 42       | =       |       |     |          |          | <u> </u>          |          |          | <u> </u>   |   |       | 92       |              | _ |          |          | _        |          | L |
|          | 43       | =       |       |     |          | <u> </u> | <u> </u>          | L_       | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  |   |       | 93       | Ш            |   |          |          | _        | L        | L |
|          | 44       | = 1     |       |     | L        | <u> </u> | L_                | L.       | <u> </u> | _  |   |       | 94       | Ш            |   |          |          | <u> </u> | $\vdash$ | L |
|          | 45       | =       |       |     | <u> </u> | <u> </u> | <u> </u>          | <u> </u> | L        |  |   |       | 95       | <u> </u>     |   |          | L_       | L        |          | L |
|          | 46       | =       |       | Щ   | <u> </u> | <u> </u> | $ldsymbol{f eta}$ | <u> </u> | L        | $\perp$  |   |       | 96       | <u> </u>     |   |          | ļ        | <u> </u> | <u> </u> | L |
|          | 47       | =       |       |     | <u> </u> | <u> </u> | <u> </u>          | <u> </u> | <u>L</u> | L_   |   |       | 97       | <u> </u>     |   | _        | _        | <u> </u> | oxdot    | L |
|          | 48       |         |       |     | <u> </u> | <u> </u> | <u> </u>          | <u> </u> | <u> </u> | <u> </u>   |   |       | 98       | Щ            |   | <b>.</b> | <u> </u> | <u> </u> | <u> </u> | 1 |
|          | 49       |         | Щ     | L.  | _        | L_       | <u> </u>          | <u> </u> | <u> </u> | <u> </u>   |   |       | 99       | Ш            |   |          | L        | L        | ļ        | L |
| $\Box$   | 50       | =       | لـــا | L., | L        | L        | L                 | L        | L        |  |   |       | 100      |              |   |          | L        | L        | L        | L |

| Cla      | Claim          |          |   | Date     |          |          |          |              |  |          |  |  |  |  |
|----------|----------------|----------|---|----------|----------|----------|----------|--------------|--|----------|--|--|--|--|
|          |                |          |   |          |          |          |          |              |  | 1        |  |  |  |  |
| ज        | Original       | 5/15/06  |   |          |          |          |          | 1            |  |          |  |  |  |  |
| Final    | <u> </u>       | 15       |   |          |          |          |          |              |  |          |  |  |  |  |
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|          | 51             | =        |   | _        | <u> </u> | _        | _        | <u> </u>     | ┡  | <u> </u> |  |  |  |  |
|          | 52             | L_       |   |          | L        | _        |          | <u> </u>     |  | <u> </u> |  |  |  |  |
|          | 52<br>53       |          |   |          |          |          | L        |              |  | _        |  |  |  |  |
|          | 54<br>55       |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 55             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 56             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 57             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 58             | Г        | _ |          |          | _        |          |              |  |          |  |  |  |  |
|          | 59             | _        |   | Т        |          | $\vdash$ | _        | <u> </u>     | H  |          |  |  |  |  |
| $\vdash$ | 60             | -        |   | $\vdash$ | $\vdash$ | $\vdash$ | _        | $\vdash$     | -  | -        |  |  |  |  |
| -        | 61             | -        |   | -        | -        | _        |          | ┢─           | ├-   | ┢─       |  |  |  |  |
| <u> </u> | 60             | _        | - | <u> </u> | _        |          |          | ⊢            | ⊢  | ⊢        |  |  |  |  |
| $\vdash$ | 62             |          |   |          |          | $\vdash$ | <u> </u> | $\vdash$     | <u> </u>   | -        |  |  |  |  |
| <u> </u> | 63             | $\vdash$ | _ | <u> </u> | _        |          | <u> </u> | <u> </u>     | <u> </u>   | ⊢        |  |  |  |  |
| <u> </u> | 64<br>65       | L_       | Щ | Щ        | ᆫ        | L.       | L_       | Ц.           | <u> </u>   | <u> </u> |  |  |  |  |
|          | 65             |          |   | L        | L        |          |          | L            |  |          |  |  |  |  |
|          | 66<br>67       |          |   |          |          |          | L_       |              |  |          |  |  |  |  |
|          | 67             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 68             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 69             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 70             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 71             |          |   |          |          |          |          |              |  |          |  |  |  |  |
| $\vdash$ | 71<br>72<br>73 |          |   | Т        | Н        | ┢        |          |              |  | _        |  |  |  |  |
|          | 73             | _        |   | -        | $\vdash$ | -        |          | $\vdash$     | $\vdash$   | H        |  |  |  |  |
| $\vdash$ | 74             | ┝        |   | Н        |          | ⊢        |          | ┝            | -  |          |  |  |  |  |
| -        | 74<br>75       |          |   | -        | -        | _        |          | ┢            | ┝  | -        |  |  |  |  |
| -        | 76             | -        |   |          | $\vdash$ | $\vdash$ | _        | ┝            | ├─   | $\vdash$ |  |  |  |  |
| -        | 77             |          |   | _        |          | -        |          | ┝            | ┝  | ┝        |  |  |  |  |
| <u> </u> | 70             |          |   | $\vdash$ | ⊢        | -        |          | -            | -  | <u> </u> |  |  |  |  |
|          | 78             | _        | _ | _        | <u> </u> | _        |          |              | ┝  | <u> </u> |  |  |  |  |
|          | 79             |          | _ |          | _        | <u> </u> | _        | _            | _  | <u> </u> |  |  |  |  |
|          | 80             |          | _ | <u> </u> |          |          | _        | _            | L  | -        |  |  |  |  |
|          | 81             |          |   | _        |          |          |          | ᆫ            | <u> </u>   | _        |  |  |  |  |
| L        | 82             | L        |   |          | Ш        | L        | L_       | <u> </u>     | <u> </u>   | _        |  |  |  |  |
| <u> </u> | 83             |          |   |          |          |          | L.,      | <u> </u>     | L  |          |  |  |  |  |
|          | 84             |          |   |          |          |          | L.       | <u> </u>     | L  | $\Box$   |  |  |  |  |
|          | 85             |          |   |          |          |          |          | L            | L  |          |  |  |  |  |
|          | 86             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 87             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 88             |          |   |          | Γ.       |          |          |              |  |          |  |  |  |  |
|          | 89             |          |   |          |          |          |          |              |  |          |  |  |  |  |
|          | 90             |          |   |          | П        |          |          |              |  | Г        |  |  |  |  |
|          | 91             | Н        | _ |          |          | _        |          |              | Г  |          |  |  |  |  |
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|          | 95             | Н        | - |          |          |          |          | $\vdash$     | <del> </del>                                     | $\vdash$ |  |  |  |  |
|          | 96             | $\vdash$ |   |          | -        | -        | -        | <del> </del> | $\vdash$   | $\vdash$ |  |  |  |  |
|          | 97             | Н        | - | -        | -        | -        | H        | <del></del>  | <del>                                     </del> | $\vdash$ |  |  |  |  |
| $\vdash$ | 98             |          | - | -        |          | <u> </u> | H        | $\vdash$     | $\vdash$   | ⊢        |  |  |  |  |
| $\vdash$ | 99             | $\vdash$ |   |          | $\vdash$ |          |          |              |  | $\vdash$ |  |  |  |  |
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| Cla   | aim               |          |          |          |          | Date         | 2        |          | _        | ᅴ               |  |
| Final | Original          |          |          |          |          |              |          |          |          |                 |  |
|       | 101               |          |          |          |          |              |          |          |          |                 |  |
|       | 102               |          |          |          |          |              |          |          |          |                 |  |
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|       | 105               | <u> </u> |          |          | _        | _            |          | <u> </u> |          | _               |  |
|       | 106               | <u> </u> |          |          |          | <u> </u>     | L.       | _        | _        | Щ               |  |
|       | 107               | <u> </u> |          |          | _        | -            | _        | L        | _        | $\dashv$        |  |
|       | 108<br>109        | -        | _        | -        | -        | -            |          |          |          | $\vdash$        |  |
|       | 110               | $\vdash$ |          |          |          | ┢            | -        | -        | _        | $\dashv$        |  |
|       | 111               | $\vdash$ |          |          |          | ┢╌           |          | Н        | -        |                 |  |
|       | 112               | _        | _        | П        |          | Н            | Т        | Н        | П        | Н               |  |
|       | 111<br>112<br>113 |          |          |          |          |              |          |          |          |                 |  |
|       | 114               |          |          |          |          |              |          |          |          |                 |  |
|       | 114<br>115        |          |          |          |          |              |          |          |          |                 |  |
|       | 116<br>117        |          |          |          |          |              |          | Ш        |          | Ш               |  |
|       | 117               |          |          |          |          | _            |          |          | _        | Щ               |  |
|       | 118               | _        |          |          | _        | _            |          |          |          | $\blacksquare$  |  |
|       | 119<br>120<br>121 | <u> </u> | H        | _        | <u> </u> | $\vdash$     |          | _        |          | -               |  |
|       | 120               | -        | -        | -        |          |              |          |          |          | -               |  |
|       | 122               | _        |          |          |          | -            |          | $\vdash$ | -        | $\vdash$        |  |
|       | 122<br>123        | -        | -        | -        |          |              | -        |          |          | $\dashv$        |  |
|       | 124               |          |          |          | _        | <del> </del> | -        | $\vdash$ |          | $\vdash$        |  |
|       | 125               | Г        |          |          |          |              |          | Н        |          |                 |  |
|       | 125<br>126        |          |          |          |          |              |          |          |          |                 |  |
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|       | 130<br>131        | _        |          | _        |          |              | _        |          |          | Щ               |  |
|       | 131               | <u> </u> | -        | -        |          |              | _        | $\vdash$ |          |                 |  |
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|       | 140               |          |          | L        |          | L            |          | Ш        |          | Щ               |  |
|       | 141               | _        |          | <u> </u> | $\vdash$ |              | L        | L-       | $\vdash$ | Щ               |  |
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|       | 148               | Т        | Т        | П        |          |              |          |          |          | $\sqcap$        |  |
|       | 149               |          |          |          |          |              |          |          |          |                 |  |
|       | 150               |          |          |          |          |              |          |          |          |                 |  |
|       |                   |          |          |          |          | _            |          |          |          |                 |  |